

PCP-9407-05 / PCP-9407-07

DESCRIPTION

The PCP-9407-05 and PCP-9407-07 are pre-promoted, hybrid, low viscosity, unsaturated polyester resins.

FEATURES AND BENEFITS

- Maximum filler permitted.
- Short cycles of production.
- Improved impact strength

APPLICATIONS

- Polymer concrete.

TYPICAL LIQUID PROPERTIES

Property	Units	PCP-9407-05	PCP-9407-07	Test Method
Acid number (solution)	Mg KOH/g sample	30 max		TARQ-100
Non-volatile content	%	58 - 61		TARQ-204
Brookfield viscosity ²	Cps	180 - 220		TARQ-300
Gel Time ¹	Minutes	5 - 7	7 - 9	TARQ-400
Interval	Minutes	6 - 12		TARQ-400
Exothermic Peak	°C	140 - 200		TARQ-400
Appearance	—	Opalescent		Visual
Stability at 120°C	Hours	1.5 min		TARQ-660

¹1% Butanox M-50 @25°C; ²LVDVE, spindle #2, 60 rpm @25°C

NOTE: Tests results compared with the reported in certificate can be affected due to: batch age, temperature, moisture, type and amount of catalyst, testing equipment and method.

RECOMMENDATIONS

1. The catalyst level should not exceed 2.8% or fall below 1% for proper cure.
2. These products should not be used when temperature conditions are below 16°C, as curing and handling may be adversely affected.
3. Do not add any material different to the catalyst recommended for these products.
4. Do not use these products if the molds used to make the final parts are made of silicone; this because they can present problems of stickiness on the main face.
5. Do not mix organic peroxides with metallic soaps, amines or any type of accelerators or promoters, because it can result in a violent decomposition with fire or explosion.
6. Any additional questions, please contact your Reacciones Químicas SA de CV sales representative.

STORAGE

Uncatalyzed PCP-9407-05 / PCP-9407-07 resins, have a usage life of three months from invoice date, when stored at 25°C or below, in a closed, opaque, factory sealed container, out of direct sunlight, heat sources or moisture. For every 7°C increase in storage temperature, the shelf life is reduced by one half.

SAFETY AND HANDLING

Detailed information on the safe handling of the PCP-9407-05 / PCP-9407-07 can be found on its SDS. For more information, please contact your Reacciones Químicas SA de CV sales representative.

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